

**METHOD FOR THE MULTI-ANTENNA TRANSMISSION OF A
LINEARLY-PRECODED SIGNAL, CORRESPONDING DEVICES,
SIGNAL AND RECEPTION METHOD**

5

ABSTRACT OF THE DISCLOSURE

An embodiment of invention relates to a method for the transmission of a signal formed by vectors, each vector comprising N source symbols to be transmitted, using M transmission antennas, wherein M is greater than or equal to

10 2. The method comprises the following steps: linearly precoding the signal using a matrix product of a source matrix formed by vectors that are organized in successive lines by a linear precoding matrix, delivering a precoded matrix; and successively transmitting precoded vectors corresponding to columns of said precoded matrix, the M symbols of each precoded vector being distributed to the

15 M antennas.